

## M 5.4, 113 km S of Champerico, Guatemala

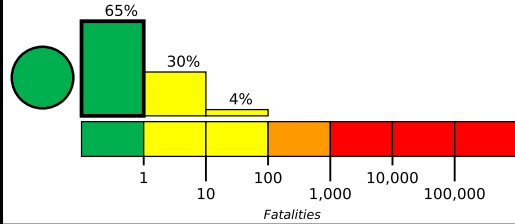
Origin Time: 2021-08-24 16:16:42 UTC (Tue 10:16:42 local)

Location: 13.2729° N 91.8658° W Depth: 10.0 km

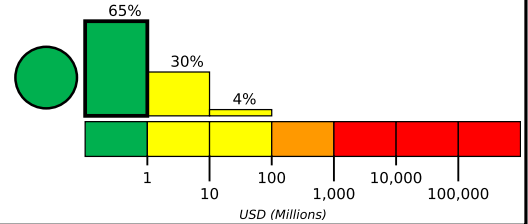
Created: 2 weeks, 1 day after earthquake

### Estimated Fatalities

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.



### Estimated Economic Losses

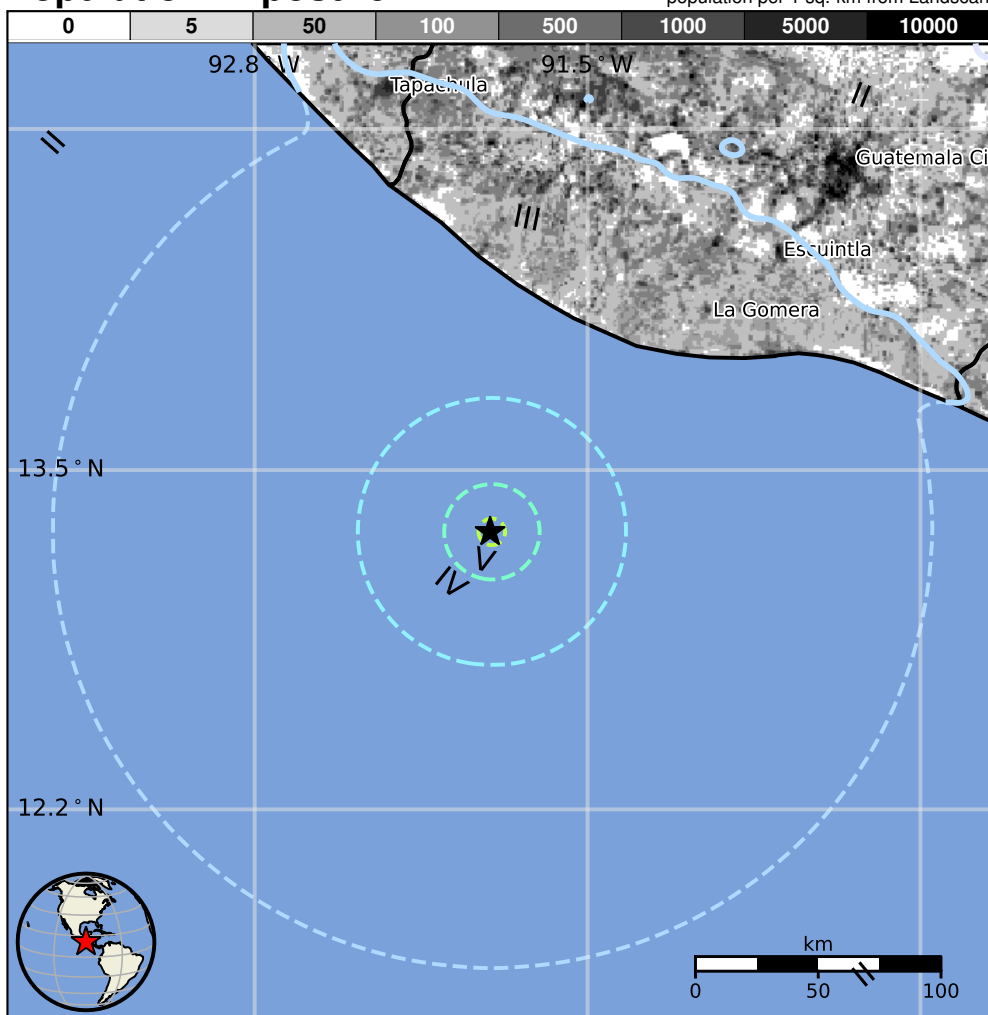


### Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	11,542k	0	0	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

\*Estimated exposure only includes population within the map area.

### Population Exposure



### Structures

Overall, the population in this region resides in structures that are a mix of vulnerable and earthquake resistant construction. The predominant vulnerable building types are mud wall and adobe block with concrete bond beam construction.

### Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
2001-02-17	303	4.1	V(2,250k)	1
2001-05-08	329	5.7	VII(562k)	1
1976-02-04	369	7.5	IX(80k)	23k

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

### Selected City Exposure

from GeoNames.org

MMI	City	Population
III	Champerico	8k
III	Nueva Concepcion	11k
III	San Jose La Maquina	<1k
III	Tiquisate	18k
III	<b>La Gomera</b>	<b>24k</b>
III	Puerto San Jose	19k
III	<b>Escuintla</b>	<b>103k</b>
III	Quetzaltenango	132k
II	Chimaltenango	82k
II	Totonicapan	70k
II	<b>Guatemala City</b>	<b>995k</b>

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/us7000f39r#pager>

bold cities appear on map.

(k = x1000)

Event ID: us7000f39r